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| | ANSMITTAL LETTER TO THE UNITED STATES ATTORNEY'S DOCKET NUMBER ON 02-019 | | | | | | | | | |
|----------|--|--|--|--|--|--|--|--|--|--|
| | DESIGNATED/ELECTED OFFICE (DO/EO/US) U.S. APPLICATION NOT (IFM) who proved 37 CFR 1.5) | | | | | | | | | |
| | AND DATE OF ANY DA | | | | | | | | | |
| PCT/E | EP2003/0123949 5 November 2003 19 Oecember 2002 | | | | | | | | | |
| _ ^ ^ | rocess for Keeping a Tuyere Passing Through a Metallurgical | | | | | | | | | |
| APPLICA | NT(S) FOR DO/EO/US toph CARLHOFF, Wilhelm MERKENS, and Rolf LAMM | | | | | | | | | |
| Applican | Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: | | | | | | | | | |
| 1. 🗵 | This is a FIRST submission of items concerning a submission under 35 U.S.C. 371. | | | | | | | | | |
| 2. | This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371. | | | | | | | | | |
| 3. | This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. | | | | | | | | | |
| 4. 🛛 | The US has been elected (Article 31). | | | | | | | | | |
| 5. | A copy of the International Application as filed (35 U.S.C. 371(c)(2)) | | | | | | | | | |
| | a. is attached hereto (required only if not communicated by the International Bureau). | | | | | | | | | |
| | b. A has been communicated by the International Bureau. | | | | | | | | | |
| | c. is not required, as the application was filed in the United States Receiving Office (RO/US). | | | | | | | | | |
| 6. | An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). | | | | | | | | | |
| | a. is attached hereto. | | | | | | | | | |
| | b. has been previously submitted under 35 U.S.C. 154(d)(4). | | | | | | | | | |
| 7. | Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) | | | | | | | | | |
| | are attached hereto (required only if not communicated by the International Bureau). | | | | | | | | | |
| | b. A have been communicated by the International Bureau. | | | | | | | | | |
| | c. have not been made; however, the time limit for making such amendments has NOT expired. | | | | | | | | | |
| | d. have not been made and will not be made. | | | | | | | | | |
| 8. | An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). | | | | | | | | | |
| 9. | An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). | | | | | | | | | |
| 10. | An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). | | | | | | | | | |
| ltem | s 11 to 20 below concern document(s) or information included: | | | | | | | | | |
| 11. | An Information Disclosure Statement under 37 CFR 1.97 and 1.98. | | | | | | | | | |
| 12. | An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. | | | | | | | | | |
| 13. | A preliminary amendment. | | | | | | | | | |
| 14. | An Application Data Sheet under 37 CFR 1.79. | | | | | | | | | |
| 15. | A substitute specification. | | | | | | | | | |
| 16. | A power of attorney and/or change of address letter. | | | | | | | | | |
| 17. | A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825. | | | | | | | | | |
| 18. | A second copy of the published International Application under 35 U.S.C. 154(d)(4). | | | | | | | | | |
| 19. | A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). | | | | | | | | | |

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Page 1 of 3

IAP15 Rec'd PCT/PTO 21 APR 2006

PTO-1390 (Rev. 07-2005)

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| U.S. APPLICATION NO(if keeping, see 37 CFR 1.5) INTERNATIONAL APPLICATION NO. PCT/EP2003/0123149 | | | | ATTORNEY'S DOCKET NUMBER ON 02-019 | | |
|--|---|---|--|---------------------------------------|------------------------|--------------------------|
| 20. Other - Cop - Pet | items or information of Incition for | on: ternation Reviva | nal Prelimina I of an Interna | ry Examir tional Applic | nation Repo | ort one Unintentional |
| The follo | owing fees have b | een submitted | | | CALCULATIONS | PTO USE ONLY |
| 21. 🔀 Basi | c national fee (37 | CFR 1.492(a)) | *************************************** | \$300 | \$ 300 | |
| 22. X Exam | nination fee (37 CF | R 1.492(c)) | | | | |
| | ion prepared by IS US indicates all cl | \$ 200 | | | | |
| If the written opin IPEA/US Search fee (37 C International Sea | indicates all claim FR 1.445(a)(2)) ha onal Searching Au rch Report prepar y communicated to | or the Internation as satisfy provision as been paid on the thorityed by an ISA other | al preliminary examination rens of PCT Article 33(1)-(4)he international application to ar than the US and provided to | the USPTO as an \$100 o the Office or | \$ 400 | |
| | | | | | 900 | |
| Additional feducation sequence electronic | TOTAL OF 21, 22 e for specification e listing in complia c medium) (37 CF s \$250 for each ad Extra Sheets | | | | | |
| - 100 = | /50 = | thereof (round | up to a whole number) | x \$250 | s N/A | |
| Surcharge of \$13 | 0.00 for furnishing | _ | h fee, examination fee, or the e (37 CFR 1.492(h)). | | \$ 0 | |
| CLAIMS | NUMB | ER FILED | NUMBER EXTRA | RATE | \$ | |
| Total claims | | 8 -20= | Ø | × \$ 50 | \$ 0 | |
| Independent clair | ms | 3 -3= | Ø | x \$200 | \$ 0 | |
| MULTIPLE DEPE | ENDENT CLAIM(S | s) (if applicable) | | + \$360 | \$ 0 | |
| | | | TOTAL OF ABOVE | CALCULATIONS = | \$ 900 | |
| Applicant cla | ims small entity st | atus. See 37 CFF | R 1.27. Fees above are redu | ced by 1⁄2. | N/A | |
| | | | | SUBTOTAL = | \$ 900 | |
| | f \$130.00 for furnis ate (37 CFR 1.492 | ths from the earliest + | \$ N/A | | | |
| | · · · · · · · · · · · · · · · · · · · | | TOTAL | NATIONAL FEE = | \$ 900 | |
| _ | | • | 1.21(h)). The assignment mu 40.00 per property | st be accompanied + | s N/A | |
| | <u> </u> | | TOTAL F | EES ENCLOSED = | \$ 900 | |
| | | | | | Amount to be refunded: | \$ |
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10/576735 IAP15 Rec'd PCT/PFO: 2.1. APR 2006

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| | Complete if Known | | | | | | | | | | |
|--|-------------------|-------------------------------------|---------------------------------------|----------------------|------------------------------------|----------------------|--|--|--|--|--|
| Fees pursuant to the Consolidated | Application Num | Application Number Not Yet Assigned | | | | | | | | | |
| FEE TRA | IND | WIIIAL | Filing Date | Herewith | -lerewith | | | | | | |
| For | First Named Inv | entor Christop | Christoph CARLHOFF | | | | | | | | |
| Applicant plains amall an | tibe abote a | Con 27 CER 4 27 | Examiner Name | Not Yet | Not Yet Assigned | | | | | | |
| Applicant claims small en | uty status. | See 37 CFR 1.27 | Art Unit | Not Yet | Not Yet Assigned | | | | | | |
| TOTAL AMOUNT OF PAYME | NT (\$) | 1,500 | Attorney Docket | No. DN 02-0 | 19 | | | | | | |
| METHOD OF PAYMENT (check all that apply) | | | | | | | | | | | |
| Check Credit Card Money Order None Other (please identify): | | | | | | | | | | | |
| Deposit Account Depo | | | | | erals Techno | logies Inc | | | | | |
| For the above-identified | l deposit ad | ecount, the Director is h | ereby authorized to: | : (check all that ap | oply) | | | | | | |
| ✓ Charge fee(s) inc | dicated belo | ow | Charge | e fee(s) indicated | below, except | for the filing fee | | | | | |
| Charge any addi | tional fee(s | s) or underpayments of | | | | | | | | | |
| Under 37 CFR 1.16 and 1.17 WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. | | | | | | | | | | | |
| FEE CALCULATION (All t | he fees b | elow are due upon | filing or may be | subject to a su | rcharge.) | | | | | | |
| 1. BASIC FILING, SEARCI | H, AND E | XAMINATION FEES | | | | | | | | | |
| • | FILING F | EES SEA | ARCH FEES | EXAMINATION | | | | | | | |
| Application Type | Fee (\$) | nall Entity Fee (\$) Fee | Small Entity (\$) Fee (\$) | _ 484 | <u>l Entity</u> e (\$) | Fees Paid (\$) | | | | | |
| Utility | 300 | 150 500 | · · · · · · · · · · · · · · · · · · · | | 00 | : | | | | | |
| Design | 200 | 100 100 | 50 | 130 | - 55 - | | | | | | |
| Plant | 200 | 100 300 | 150 | 160 8 | 30 - | | | | | | |
| Reissue | 300 | 150 500 | 250 | 600 30 | 00 - | | | | | | |
| Provisional | 200 | 100 | 0 | 0 | 0 - | | | | | | |
| 2. EXCESS CLAIM FEES | | | | | | all Entity | | | | | |
| Fee Description Each claim over 20 (inc.) | hiding Re | issues) | | Į. | Fee (\$) <u>F</u> 50 | <u>ee (\$)</u> 25 | | | | | |
| Each independent claim | _ | • | | | 200 | 100 | | | | | |
| Multiple dependent clair | ms | | | | 360 | 180 | | | | | |
| | ktra Claim | <u>Fee (\$)</u> | ee Paid (\$) | _ | lultiple Depend | | | | | | |
| - 20 or HP = HP = highest number of total cla | ims paid for | if greater than 20. | | | Fee (\$) | Fee Paid (\$) | | | | | |
| | ktra Claim | | ee Paid (\$) | | . | | | | | | |
| - 3 or HP = HP = highest number of independent | dent claims i | x = baid for, if greater than 3. | · | | | | | | | | |
| 3. APPLICATION SIZE FE | E | | | | • | | | | | | |
| If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer | | | | | | | | | | | |
| listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s). | | | | | | | | | | | |
| <u>Total Sheets</u> E | xtra Sheet | <u>s Numbér of ea</u> | ach additional 50 o | r fraction thereo | | Fee Paid (\$) | | | | | |
| 100= | | /50 = | (round up to a w | vhole number) x | | -= | | | | | |
| 4. OTHER FEE(S) Non-English Specification, \$130 fee (no small entity discount) Fees Paid (\$) | | | | | | | | | | | |
| Other (e.g., late filing surcharge): Fee for Petition for Revival of an International ApplUnintentiona 1,500 | | | | | | | | | | | |
| | | | | | | | | | | | |
| Registration No. Telephone 610-861-4907 | | | | | | | | | | | |
| Signature | <u> </u> | Hill | (Attorney/Agent) 5 | 6,347 | | | | | | | |
| Name (Print/Type) George H. Fa | airchild | | | | Date 41 | 20/06 | | | | | |

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